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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/652,580	08/31/2000	Vishnu K. Agarwal	98-0616.15	4283
27076 7	7590 11/19/2003		EXAMINER	
DORSEY & WHITNEY LLP			EVERHART, CARIDAD	
INTELLECTUAL PROPERTY DEPARTMENT			T. T	
SUITE 3400			ART UNIT	PAPER NUMBER
1420 FIFTH AVENUE			2825	
SEATTLE, WA 98101			DATE MAIL ED. 11/10/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
000-100	09/652,580	AGARWAL, VISHNU K				
Office Action Summary	Examiner	Art Unit				
	Caridad M. Everhart	2825				
The MAILING DATE of this communication appears on the cov r she t with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory perion - Failure to reply within the set or extended period for reply will, by state - Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b). Status	N. 1.136(a). In no event, however, may a reply be teply within the statutory minimum of thirty (30) do will apply and will expire SIX (6) MONTHS froute, cause the application to become ABANDON	imely filed ays will be considered timely. m the mailing date of this communication. IED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on $\underline{2}$	7 August 2003 .					
2a)⊠ This action is FINAL . 2b)□	This action is non-final.					
3) Since this application is in condition for allo						
closed in accordance with the practice undo	er <i>Ex parte Quayle</i> , 1935 C.D. 11,	453 O.G. 213.				
4)⊠ Claim(s) <u>54,56,76,78-83 and 85-99</u> i≳are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>83 j8€</u> s/are rejected.						
7)⊠ Claim(s) <u>54,56,76,78-82,85 and 87-99</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s).filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:	nto have been received					
 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No. 						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	ry (PTO-413) Paper No(s) Patent Application (PTO-152)				

Claim Objections

Claims 54,56,76,78-83,85-99 are objected to because of the following informalities: The recitation "providing a dielectric onto said first conductive layer" seems to be inconsistent with the recitation "providing a second conductive layer adjacent the first conductive layer", because adjacent would indicate that the second conductor is next to the first conductive layer, so that it seems the dielectric would not be on the first conductive layer. The specification on page 10, lines 5-9, second paragraph, seems to support the dielectric layer over rather than on the first conductive layer and on the second conductive layer, which is on the first conductive layer. Clarification is requested. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 83 and 86 are rejected under 35 U.S.C. 102(e) as being anticipated by Hintermaier, et al. (US 6,100,187)("Hintermaier").

Hintermaier discloses the steps of forming a conductive layer 30(col. 7, lines 1-2 and Fig. 3) and treating the layer with PH3 and the layer may be W(col. 4, lines 33-41).

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Then a dielectric layer is deposited(col. 7, lines 30-35). The second conductive layer formed after the treatment of the first conductive layer is interpreted to be the portion of the first conductive layer which is reacted to form layer 30a shown in Fig. 3. The layer 30b is the remaining unreacted portion of the first conductive layer. This is done to prevent the oxidation of the first conductive layer(col. 1, lines 60-67).

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caridad M. Everhart whose telephone number is 703-308-3455. The examiner can normally be reached on Monday through Fridays 7:30-4:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S. Smith can be reached on 703-308-1323. The fax phone numbers for the organization where this application or proceeding is assigned are 703-

872-9318 for regular communications and 703-872-9319 for After Final

communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

C. Suerhart

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